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Product datasheet for RC222027L4V

SP3 (NM_003111) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SP3 (NM_003111) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SP3
Synonyms:	SPR2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_003111
ORF Size:	2343 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC222027).`
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_003111.3
RefSeq Size:	3920 bp
RefSeq ORF:	2346 bp
Locus ID:	6670
UniProt ID:	Q02447
Cytogenetics:	2q31.1
Protein Families:	Druggable Genome, Transcription Factors
MW:	81.7 kDa

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Gene Summary: This gene belongs to a family of Sp1 related genes that encode transcription factors that regulate transcription by binding to consensus GC- and GT-box regulatory elements in target genes. This protein contains a zinc finger DNA-binding domain and several transactivation domains, and has been reported to function as a bifunctional transcription factor that either stimulates or represses the transcription of numerous genes. Transcript variants encoding different isoforms have been described for this gene, and one has been reported to initiate translation from a non-AUG (AUA) start codon. Additional isoforms, resulting from the use of alternate downstream translation initiation sites, have also been noted. A related pseudogene has been identified on chromosome 13. [provided by RefSeq, Feb 2010]